FIG. 1

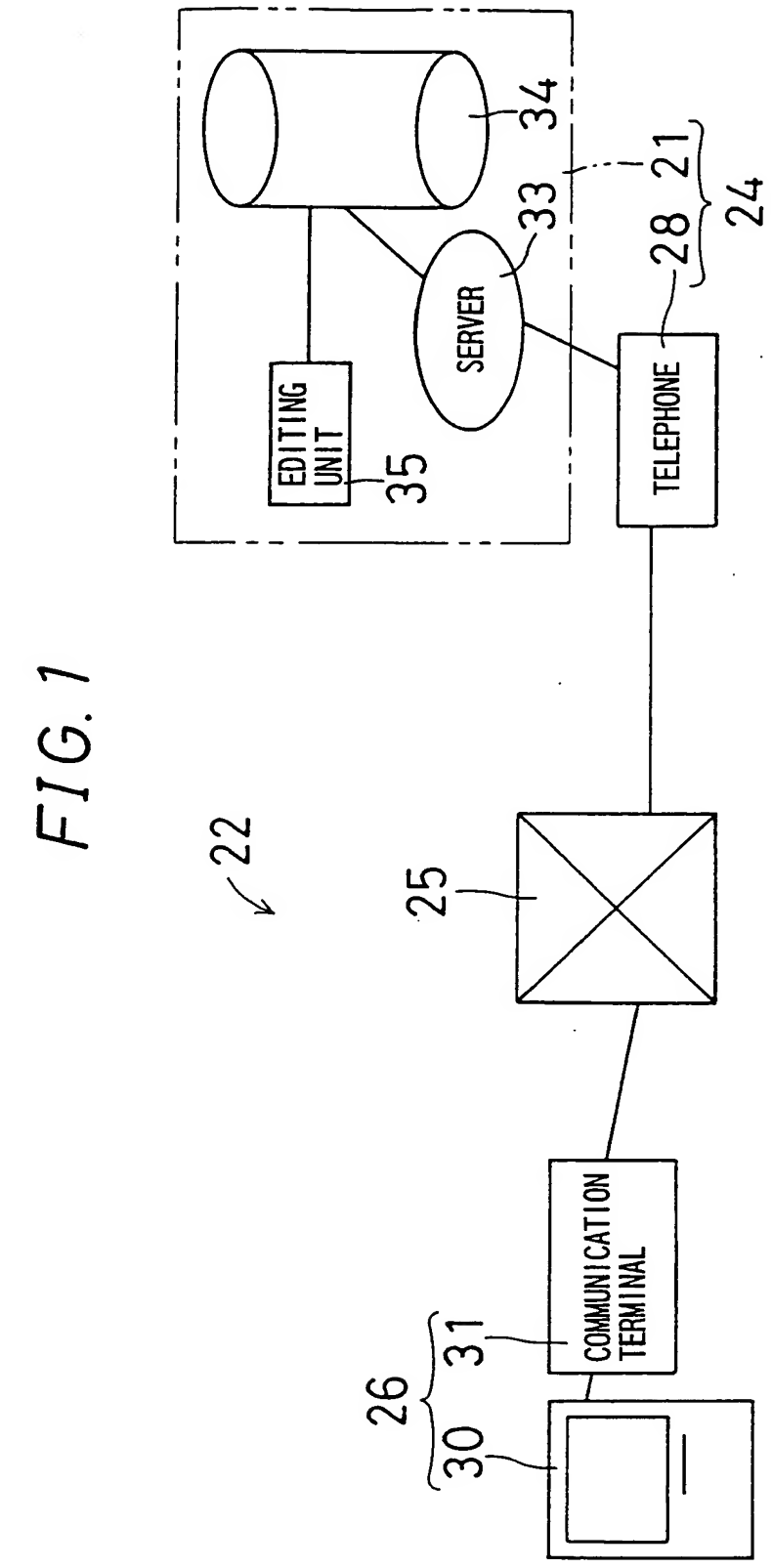

22
25
26
30
31
COMMUNICATION TERMINAL
TELEPHONE
24
28
21
33
SERVER
34
EDITING UNIT
35

FIG. 2

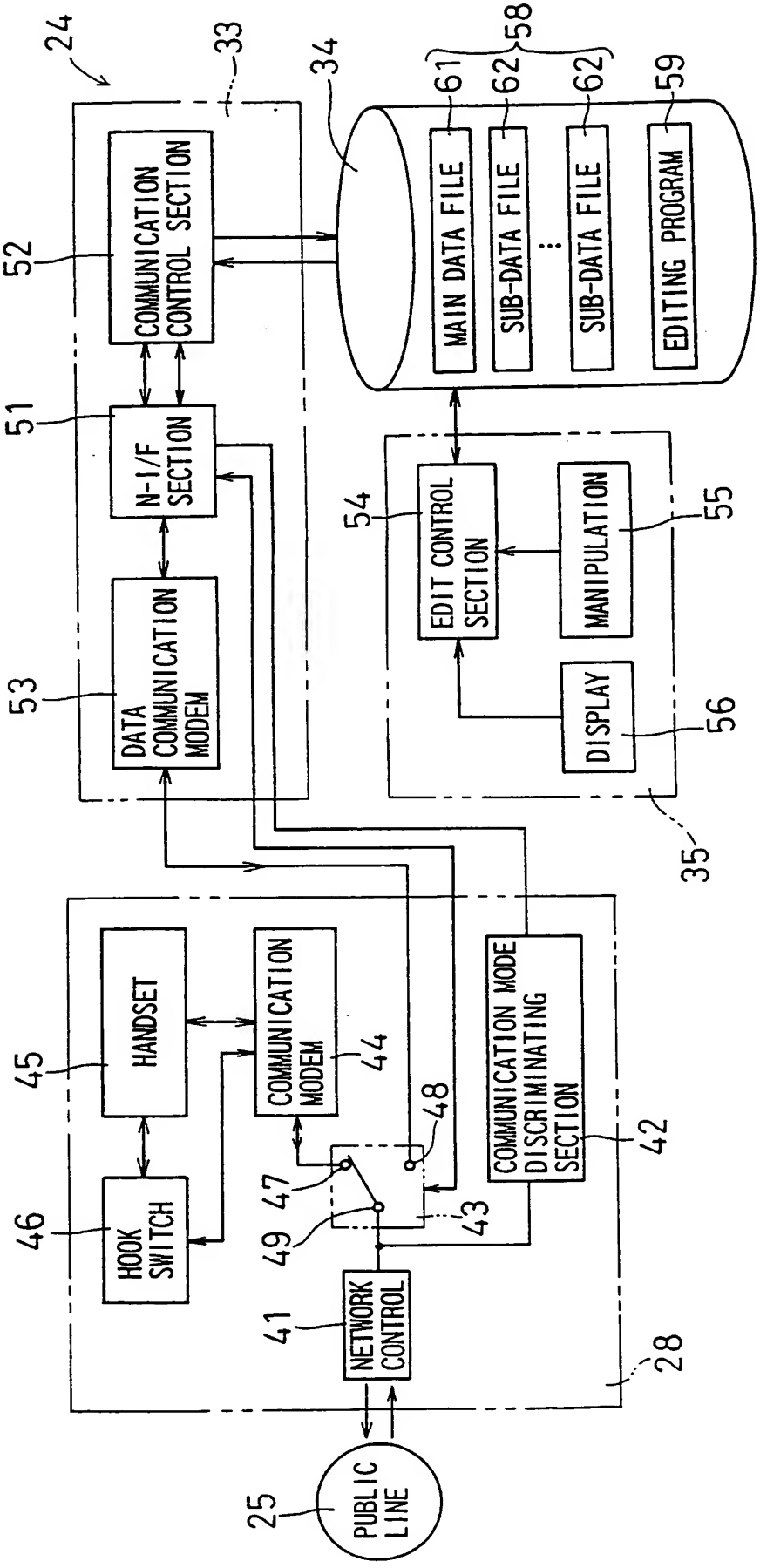

24
33
34
58
61
62
62
59
52
COMMUNICATION CONTROL SECTION
MAIN DATA FILE
SUB-DATA FILE
SUB-DATA FILE
EDITING PROGRAM
51
N-I/F SECTION
54
EDIT CONTROL SECTION
MANIPULATION
55
53
DATA COMMUNICATION MODEM
DISPLAY
56
35
45
HANDSET
COMMUNICATION MODEM
44
48
COMMUNICATION MODE DISCRIMINATING SECTION
42
46
HOOK SWITCH
47
49
43
41
NETWORK CONTROL
28
25
PUBLIC LINE

FIG. 3

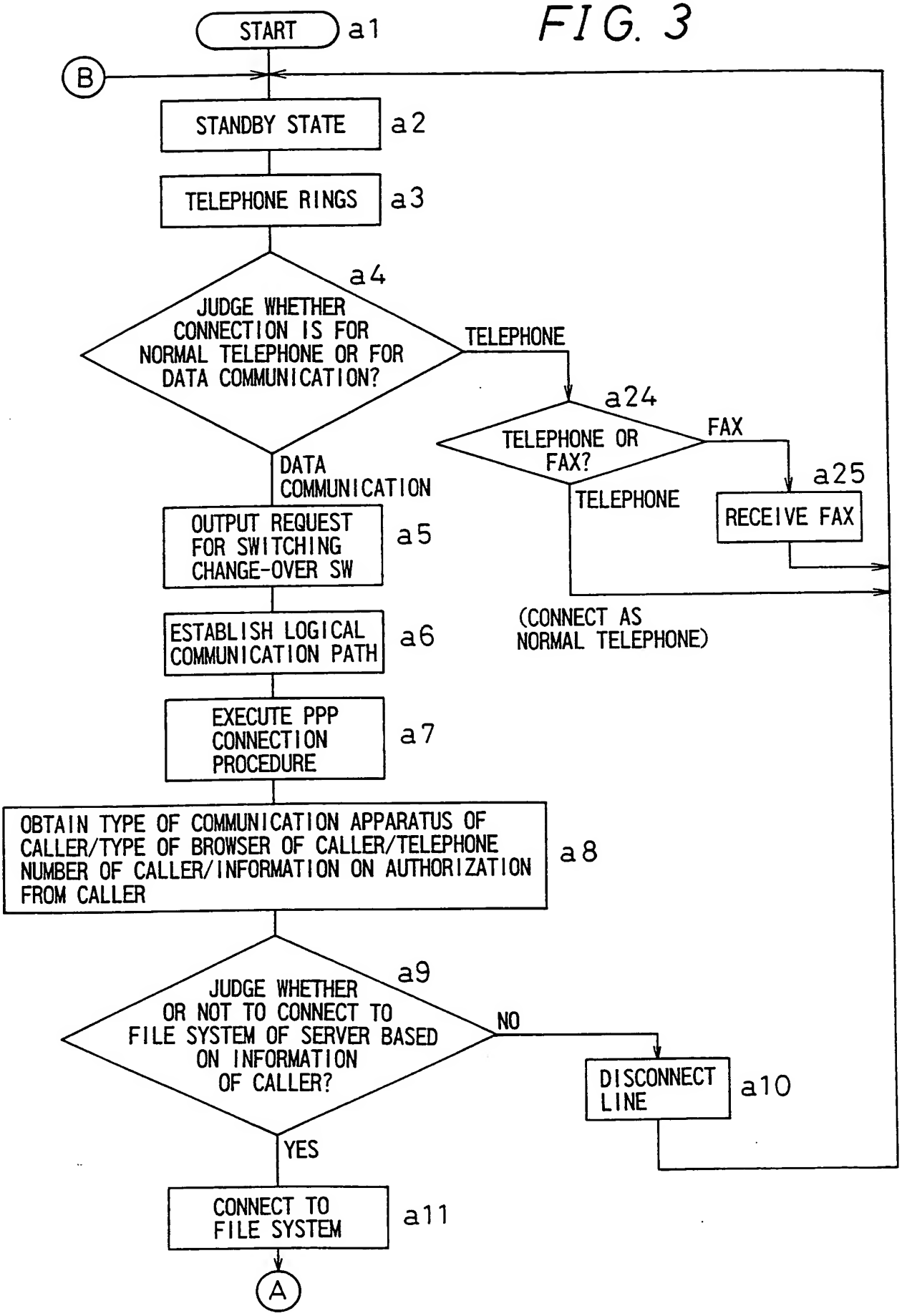

START
a1
B
STANDBY STATE
a2
TELEPHONE RINGS
a3
a4
JUDGE WHETHER CONNECTION IS FOR NORMAL TELEPHONE OR FOR DATA COMMUNICATION?
TELEPHONE
DATA COMMUNICATION
a24
TELEPHONE OR FAX?
FAX
TELEPHONE
a25
RECEIVE FAX
(CONNECT AS NORMAL TELEPHONE)
OUTPUT REQUEST FOR SWITCHING CHANGE-OVER SW
a5
ESTABLISH LOGICAL COMMUNICATION PATH
a6
EXECUTE PPP CONNECTION PROCEDURE
a7
OBTAIN TYPE OF COMMUNICATION APPARATUS OF CALLER/TYPE OF BROWSER OF CALLER/TELEPHONE NUMBER OF CALLER/INFORMATION ON AUTHORIZATION FROM CALLER
a8
a9
JUDGE WHETHER OR NOT TO CONNECT TO FILE SYSTEM OF SERVER BASED ON INFORMATION OF CALLER?
NO
DISCONNECT LINE
a10
YES
CONNECT TO FILE SYSTEM
a11
A

FIG. 4

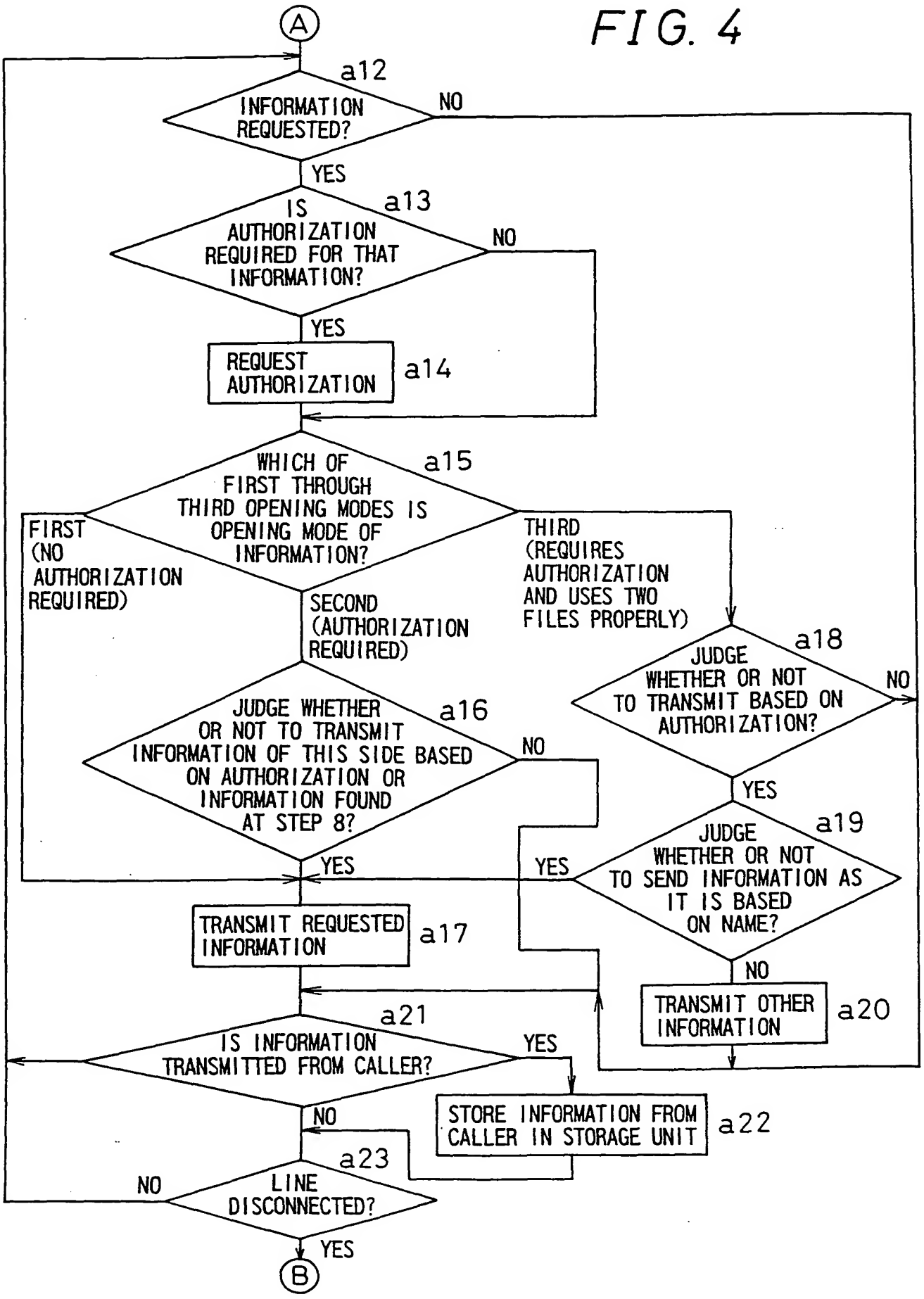

A
a12
INFORMATION REQUESTED?
NO
YES
a13
IS AUTHORIZATION REQUIRED FOR THAT INFORMATION?
NO
YES
REQUEST AUTHORIZATION
a14
a15
WHICH OF FIRST THROUGH THIRD OPENING MODES IS OPENING MODE OF INFORMATION?
FIRST (NO AUTHORIZATION REQUIRED)
SECOND (AUTHORIZATION REQUIRED)
THIRD (REQUIRES AUTHORIZATION AND USES TWO FILES PROPERLY)
a18
JUDGE WHETHER OR NOT TO TRANSMIT BASED ON AUTHORIZATION?
NO
YES
a19
JUDGE WHETHER OR NOT TO SEND INFORMATION AS IT IS BASED ON NAME?
NO
YES
a16
JUDGE WHETHER OR NOT TO TRANSMIT INFORMATION OF THIS SIDE BASED ON AUTHORIZATION OR INFORMATION FOUND AT STEP 8?
NO
YES
TRANSMIT REQUESTED INFORMATION
a17
TRANSMIT OTHER INFORMATION
a20
a21
IS INFORMATION TRANSMITTED FROM CALLER?
YES
NO
STORE INFORMATION FROM CALLER IN STORAGE UNIT
a22
a23
LINE DISCONNECTED?
NO
YES
B

FIG. 5

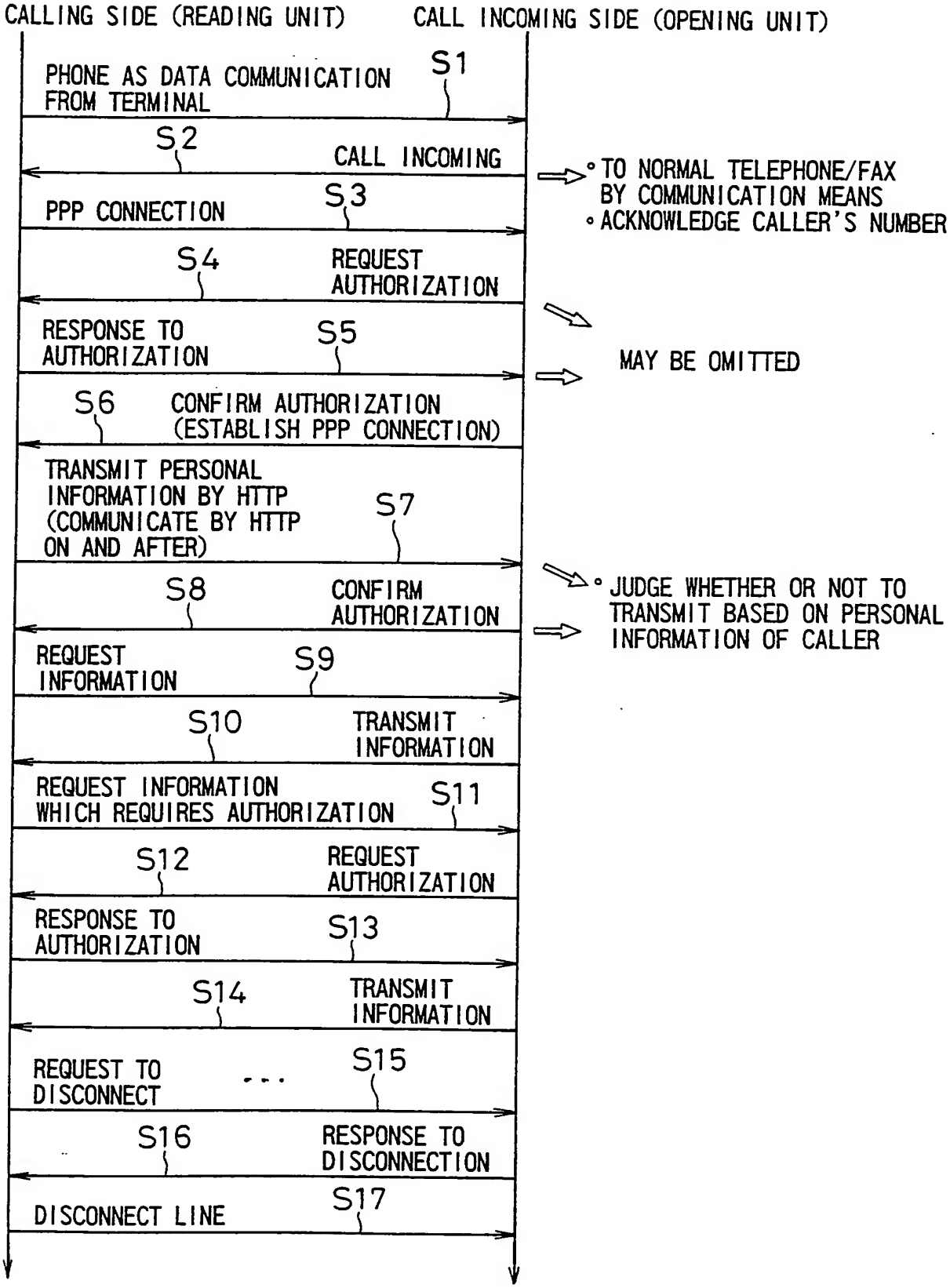

CALLING SIDE (READING UNIT)
CALL INCOMING SIDE (OPENING UNIT)
PHONE AS DATA COMMUNICATION FROM TERMINAL
S1
S2
CALL INCOMING
° TO NORMAL TELEPHONE/FAX BY COMMUNICATION MEANS
° ACKNOWLEDGE CALLER'S NUMBER
PPP CONNECTION
S3
S4
REQUEST AUTHORIZATION
RESPONSE TO AUTHORIZATION
S5
MAY BE OMITTED
S6
CONFIRM AUTHORIZATION (ESTABLISH PPP CONNECTION)
TRANSMIT PERSONAL INFORMATION BY HTTP (COMMUNICATE BY HTTP ON AND AFTER)
S7
S8
CONFIRM AUTHORIZATION
° JUDGE WHETHER OR NOT TO TRANSMIT BASED ON PERSONAL INFORMATION OF CALLER
REQUEST INFORMATION
S9
S10
TRANSMIT INFORMATION
REQUEST INFORMATION WHICH REQUIRES AUTHORIZATION
S11
S12
REQUEST AUTHORIZATION
RESPONSE TO AUTHORIZATION
S13
S14
TRANSMIT INFORMATION
REQUEST TO DISCONNECT
S15
S16
RESPONSE TO DISCONNECTION
DISCONNECT LINE
S17

FIG. 6A

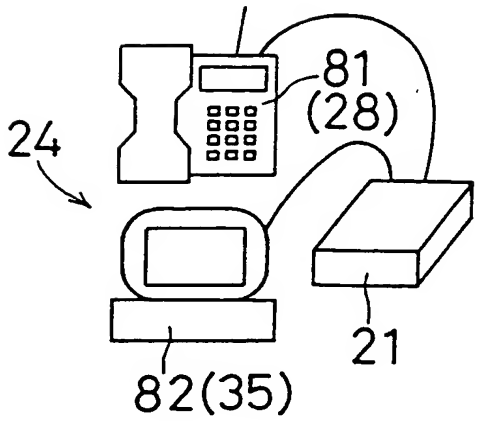


FIG. 6B

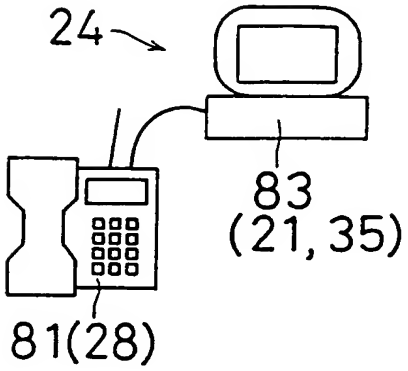


FIG. 6C

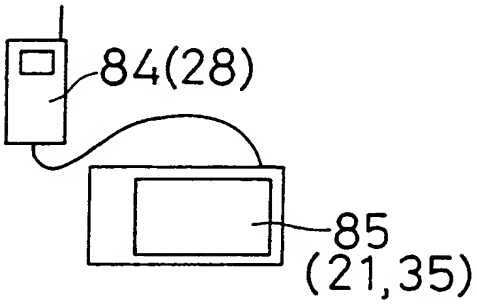


FIG. 6D

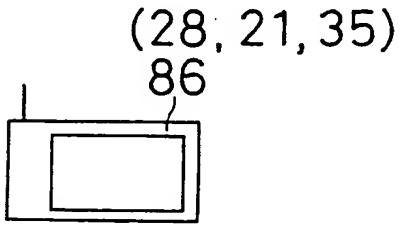


FIG. 6E

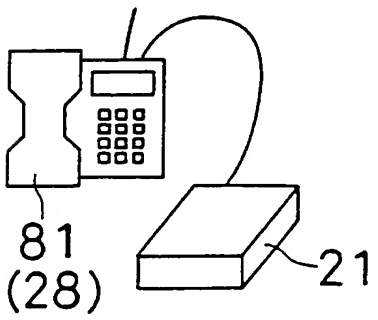


FIG. 6F

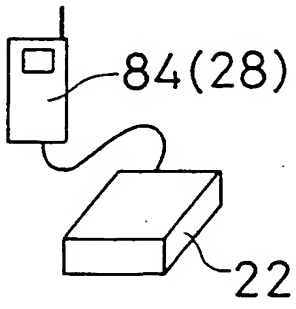
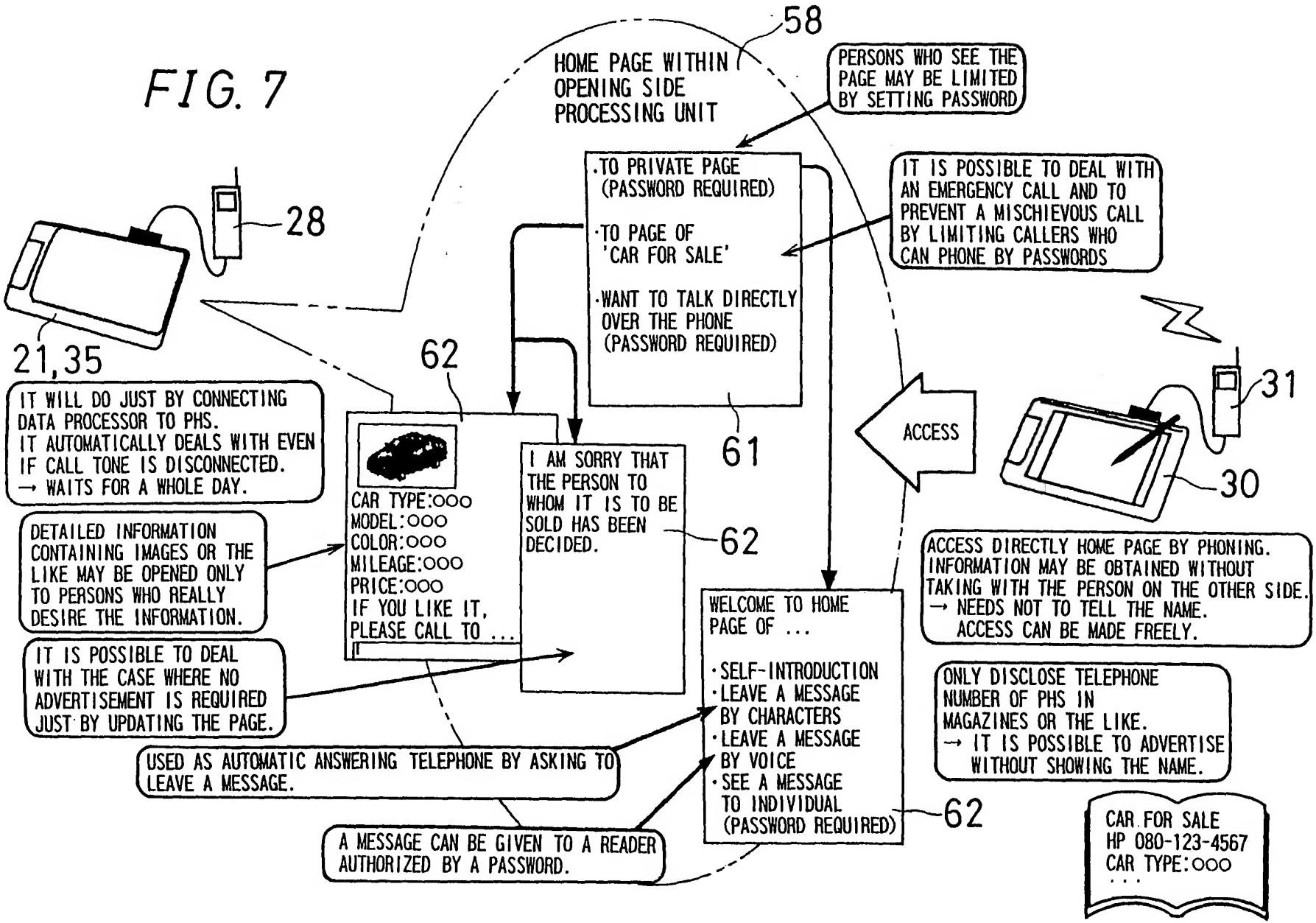


FIG. 7


58
HOME PAGE WITHIN OPENING SIDE PROCESSING UNIT
PERSONS WHO SEE THE PAGE MAY BE LIMITED BY SETTING PASSWORD
.TO PRIVATE PAGE (PASSWORD REQUIRED)
·TO PAGE OF 'CAR FOR SALE'
·WANT TO TALK DIRECTLY OVER THE PHONE (PASSWORD REQUIRED)
IT IS POSSIBLE TO DEAL WITH AN EMERGENCY CALL AND TO PREVENT A MISCHIEVOUS CALL BY LIMITING CALLERS WHO CAN PHONE BY PASSWORDS
28
21,35
IT WILL DO JUST BY CONNECTING DATA PROCESSOR TO PHS. IT AUTOMATICALLY DEALS WITH EVEN IF CALL TONE IS DISCONNECTED. → WAITS FOR A WHOLE DAY.
62
61
CAR TYPE:○○○
MODEL:○○○
COLOR:○○○
MILEAGE:○○○
PRICE:○○○
IF YOU LIKE IT, PLEASE CALL TO ...
I AM SORRY THAT THE PERSON TO WHOM IT IS TO BE SOLD HAS BEEN DECIDED.
62
ACCESS
31
30
DETAILED INFORMATION CONTAINING IMAGES OR THE LIKE MAY BE OPENED ONLY TO PERSONS WHO REALLY DESIRE THE INFORMATION.
ACCESS DIRECTLY HOME PAGE BY PHONING. INFORMATION MAY BE OBTAINED WITHOUT TAKING WITH THE PERSON ON THE OTHER SIDE. → NEEDS NOT TO TELL THE NAME. ACCESS CAN BE MADE FREELY.
IT IS POSSIBLE TO DEAL WITH THE CASE WHERE NO ADVERTISEMENT IS REQUIRED JUST BY UPDATING THE PAGE.
WELCOME TO HOME PAGE OF ...
·SELF-INTRODUCTION
·LEAVE A MESSAGE BY CHARACTERS
·LEAVE A MESSAGE BY VOICE
·SEE A MESSAGE TO INDIVIDUAL (PASSWORD REQUIRED)
62
ONLY DISCLOSE TELEPHONE NUMBER OF PHS IN MAGAZINES OR THE LIKE. → IT IS POSSIBLE TO ADVERTISE WITHOUT SHOWING THE NAME.
USED AS AUTOMATIC ANSWERING TELEPHONE BY ASKING TO LEAVE A MESSAGE.
A MESSAGE CAN BE GIVEN TO A READER AUTHORIZED BY A PASSWORD.
CAR FOR SALE
HP 080-123-4567
CAR TYPE:○○○
...

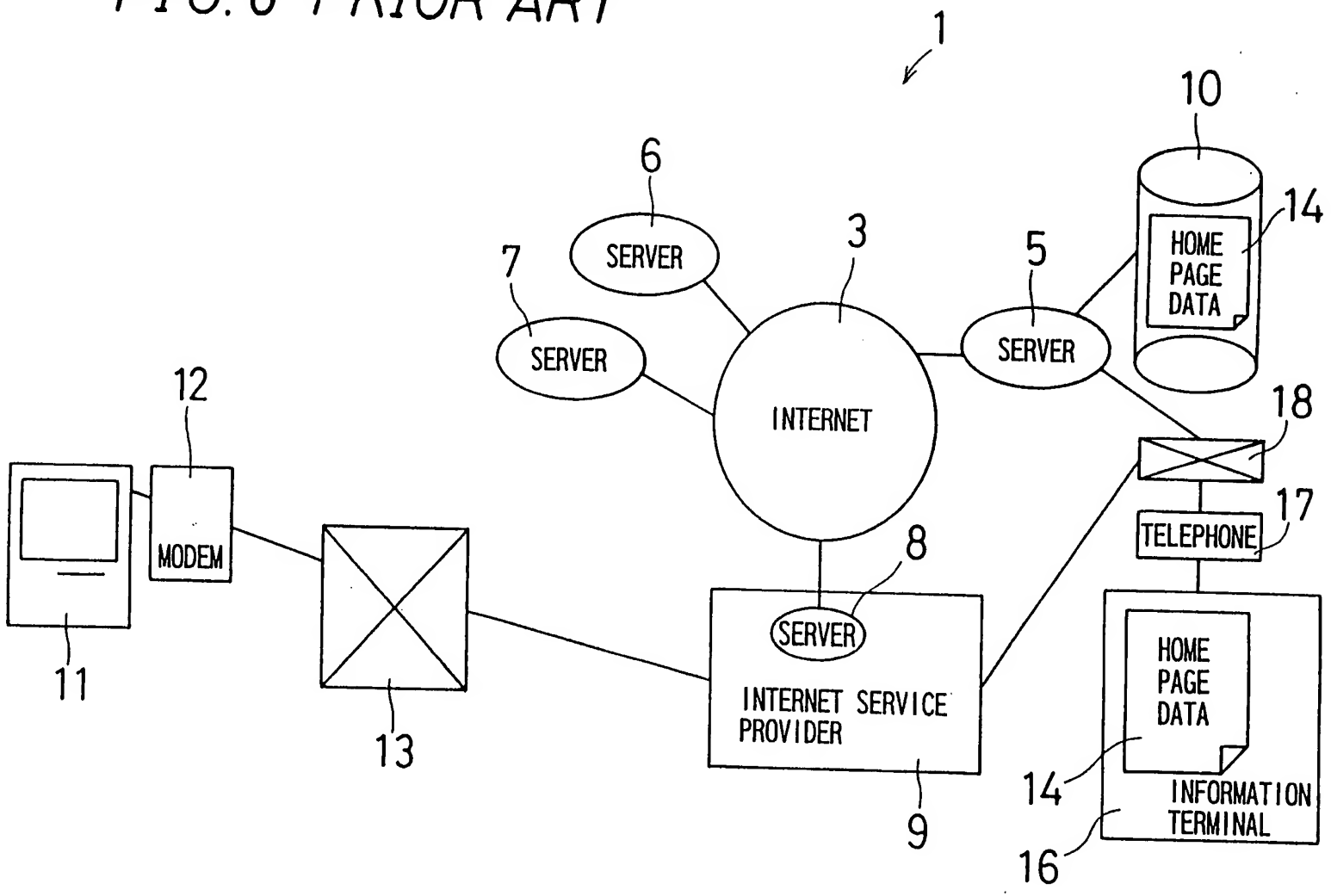



FIG. 8 PRIOR ART